

# **Expression of Interest (EOI)**

**Title of Consulting Services:  
*Agro Raw Materials Supply System***

**Method of Consulting Service  
*National***

**Project Name** : Agro Raw Materials Supply System

**EOI No:** SSPP/ARMSS-077/078-05

**Office Name** : Suchana tatha Sanchar Prabidhi Pratisthan

**Office Address:** Butwal, Rupandehi, Province No. 5

**Issued on:** September 03, 2020

**Financing Agency:** Government Budget

## Abbreviations

CV	-	Curriculum Vitae
DO	-	Development Partner
EA	-	Executive Agency
EOI	-	Expression of Interest
GON	-	Government of Nepal
PAN	-	Permanent Account Number
PPA	-	Public Procurement Act
PPR	-	Public Procurement Regulation
TOR	-	Terms of Reference
VAT	-	Value Added Tax



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नेपाल

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## Contents

<b>A. Request for Expression of Interest .....</b>	<b>3</b>
<b>B. Instructions for submission of Expression of Interest.....</b>	<b>4</b>
<b>C. Objective of Consultancy Services or Brief TOR.....</b>	<b>5</b>
<b>D. Evaluation of Consultant's EOI Application .....</b>	<b>19</b>
<b>E. EOI Forms &amp; Formats .....</b>	<b>21</b>
1. Letter of Application .....	22
2. Applicant's Information Form .....	24
3. Experience.....	25
4. Capacity .....	28
5. Key Experts (Include details of Key Experts only) .....	29



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## A. Request for Expression of Interest

Government of Nepal  
**Suchana tatha Sanchar Prabidhi Pratisthan**  
Butwal, Rupandehi, Province No. 5

Date: September 03, 2020

### Request for Expression of Interest

EOI No: SSPP/ARMSS-077/078-05

#### Name of Project: Agro Raw Materials Supply System

1. Province Government, Province no. 5 has allocated fund **towards the cost of Agro Raw Materials Supply System** and intends to apply this **fund** to eligible payments under the Contract for which this Expression of Interest is invited for **National consulting service**.
2. The **Suchana tatha Sanchar Prabidhi Pratisthan** now invites Expression of Interest (EOI) from eligible consulting firms ("consultant") to provide the following consulting services: **Agro Raw Materials Supply System**.
3. Interested eligible consultants may obtain further information and EOI document free of cost at the address during office hours on or before **17 Sept, 2020** or visit the website.
4. Consultants may associate with other consultants to enhance their qualifications.
5. Expressions of interest shall be delivered manually in sealed envelope to the address **Suchana tatha Sanchar Prabidhi Pratisthan, Butwal-6, Jagritipath, Rupandehi, Province No. 5** on or before **18 Sept, 2020 12:00 hours**.
6. In case the last date of obtaining and submission of the EOI documents happens to be a holiday, the next working day will be deemed as the due date but the time will be the same as stipulated.
7. EOI will be assessed based on **Qualification (40%), Experience (50%), and Capacity (10%)** of consulting firm and key personnel. Based on evaluation of EOI, only shortlisted firms will be invited to submit technical and financial proposal through a request for proposal.
8. Minimum score to pass the EOI is **70**.



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## B. Instructions for submission of Expression of Interest

1. Expression of Interest may be submitted by a sole firm or a joint venture of consulting firms and the maximum number of partners in JV shall be limited to three.
2. Interested consultants must provide information indicating that they are qualified to perform the services (*Company Profile, descriptions, organization and employee and of the firm or company, description of assignments of similar nature completed in the last 5 years and their location, experience in similar conditions, general qualifications and the key personnel to be involved in the proposed assignment*).
3. This expression of interest is open to all eligible **consulting firm**.
4. The assignment has been scheduled for a period of **6 months**. Expected date of commencement of the assignment is **18 October, 2020**.
5. A Consultant will be selected in accordance with the **Quality Cost Based Selection (QCBS)** method.
6. Expression of Interest should contain following information:
  - (i) A covering letter addressed to the representative of the client on the official letter head of company duly signed by authorized signatory.
  - (ii) Applicants shall provide the following information in the respective formats given in the EOI document:
    - *EOI Form: Letter of Application (Form 1)*
    - *EOI Form: Applicant's Information (Form 2)*
    - *EOI Form: Work Experience Details (Form 3(A), 3(B) & 3(C))*
    - *EOI Form: Capacity Details (Form 4)*
    - *EOI Form: Key Experts List (form 5).*
7. Applicants may submit additional information with their application but shortlisting will be based on the evaluation of information requested and included in the formats provided in the EOI document.
8. The Expression of Interest (EOI) document must be duly completed and submitted in sealed envelope and should be clearly marked as "EOI Application for Short-listing for the **Agro Raw Materials Supply System**. The Envelope should also clearly indicate the ***name and address of the Applicant***.
9. The completed EOI document must be submitted on or before the date and address mentioned in the "**Request for Expression of Interest**". In case the submission falls on public holiday the submission can be made on the next working day. Any EOI Document received after the closing time for submission of proposals shall not be considered for evaluation.



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## C. Objective of Consultancy Services or Brief TOR

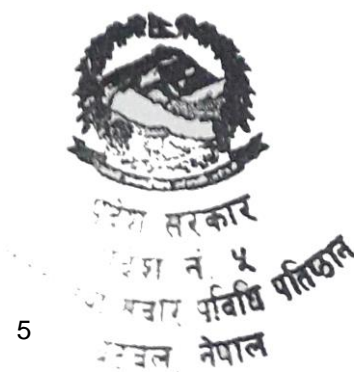
### Background of the Project:

The Covid-19 crisis is predicted to give rise to food shortages around the world. The need for a well-informed distribution planning of the food resources is paramount in solving the food crisis as well as supporting those involved in the farming occupation. The Suchana tatha Prabidhi Pratisthan wishes to build an intelligent system that incorporates supply, warehousing and sourcing system for Agro Raw materials along with cutting-edge AI-powered Forecasting, Planning and Optimization techniques.

### Scope of the Project:

The scope of this work are as follows:

- I. To design a highly distributed, scalable architecture that seamlessly integrates with the overall P5 Agro Project Framework.
- II. To design set of software, applications and systems needed for realizing the system requirements.
- III. To build models, data standards as well as inferencing standards for distributed machine learning.
- IV. To design and deploy with architecture for high availability, robustness and fault tolerance.
- V. Develop a Central Reporting Dashboard with fine-granular filtering support.
- VI. Provide Technical Support for a period of 6 months.



## Project Requirements

### 1. Software Architecture Requirement:

The software architecture is required to be modular and highly extensible. However, such features should not come at the cost of security. Thus, the consultant is required to design a scalable, secure and robust software system architecture based on Microservices -- small, autonomous services that work together.

The designed microservices are required to fulfill the following properties:

- a. Each microservice should be an individual entity.
- b. Each microservice should be relatively small in Size and functionality. i.e. Cohesion and Coupling should be minutely studied.
- c. Messaging and Communication should be well built and documented following standard software engineering protocols and security principles.
- d. Each microservice should have contextual boundaries, that prevent executing any task other than provided by the API interface from scope outside of the defined perimeter.
- e. Each microservice must be independently deployable if necessary.
- f. Each microservice should have its own independent set of logical tests.

These microservices should be inter-operable i.e. should expose interfaces with compatible structure. The interface should be well documented.

### 2. Communication Architecture:

As the system will be communicating with a number of services in-operation/to-be-in-operation the Suchana tatha Sanchar Prawidhi Pratisthan has set a mandatory communication protocol requirement between those units. Both the

The communication between different services are required to support



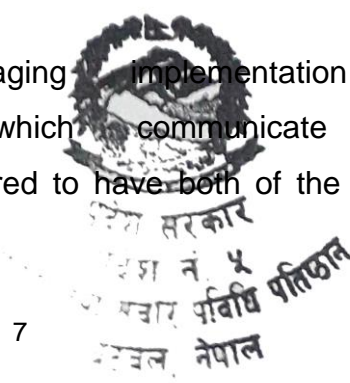
complete asynchronous messaging governed by a central routing architecture. The asynchronous messaging system has been particularly selected for massive scalability, fault-tolerance, immunity towards intermittent connectivity issues, etc.

The communication is required to be completely based on the implementation of full-duplex **Websockets** over a single TCP connection. The WebSocket protocol provides bi-directional soft real-time and wire traffic efficient connections to the browser with universally supported across browsers, network nodes and major programming languages.

To handle messaging and communication between components in distributed applications and services at a convenient and abstracted way, the communication architecture is required to be broadly based upon the following two message exchange standards: -- **Routed Remote Procedure Calls** and **PubSub (Publish & Subscribe) Model**. Combining the Publish & Subscribe and routed Remote Procedure Calls in one Web native, real-time transport protocol (WebSocket) allows protocol such as WAMP to be used for the entire messaging requirements of component and microservice based applications (as required in this project), reducing technology stack complexity and overhead, providing a capable and secure fundament for the services to rely on.

The PubSub messaging pattern requires three roles: **Subscribers** and **Publishers**, which communicate via a **Message Broker**. The broker system inside of the service scope is to be implemented/designed by the consultant in the form of a Router as a part of this project whereas, the broker system outside of this service scope is provided to the consultant.

The routed RPC messaging implementation should also contain: **Callers** and **Callees**, which communicate via a **Dealer**. A **Router** implementation is required to have both of the Broker and Dealer roles





The services/microservices are to be connected to the Router as Clients. Each client connection or WAMP connection, establishes WAMP Sessions. A WAMP Session is joined to a Realm on a Router. Routing occurs only between WAMP Sessions that have joined the same Realm.

WAMP implementations are required to implement the Basic Profile, at minimum.

WAMP implementations may support any subset of the Advanced Profile features. They are required to announce those supported features during session establishment.

The following messaging mechanism is to be followed by the developed system:

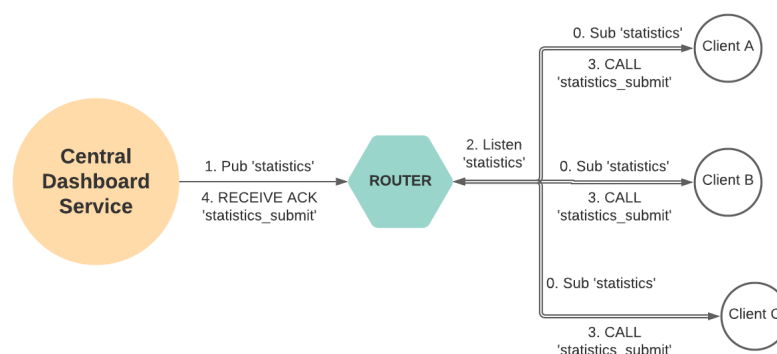
### 1. Authentication of the Client

To register and authenticate the client to the router, **Challenge-Response Authentication Mechanism** is to be used. The consultant is responsible for implementing authentication mechanism for client side to integrate with the central router. The clients are authenticated when a challenge for a given username is replied by the client with a response processed by the secret word.

### 2. Communicating with the Central Management Dashboard/External Services

There are several communication paradigm to interact with the Central Management Dashboard:

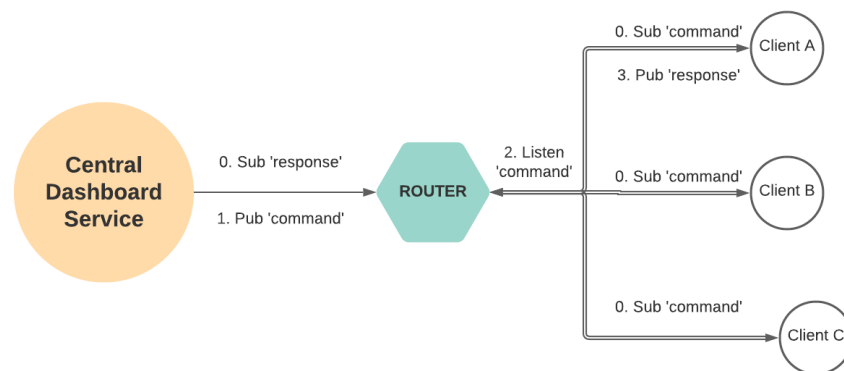
#### a. Listening to Statistics Requests



The Central Management Dashboard intelligently fetches the summary statistics for displaying on the dashboard. The core service is required to subscribe to channel 'statistics' (or specific assignment), and upon receiving message from the dashboard on the channel, should provide statistics since last polled. The statistics should be submitted by calling the statistics\_submit Remote Procedure on the Central Dashboard.

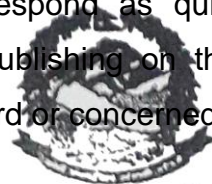
The central dashboard is intelligent and can auto-decide on the polling interval for maximum system efficiency. The statistics message should have common-established statistics along with the dictionary of statistics name, statistics string description, statistics value type and the statistics actual value.

#### b. Listening to Commands



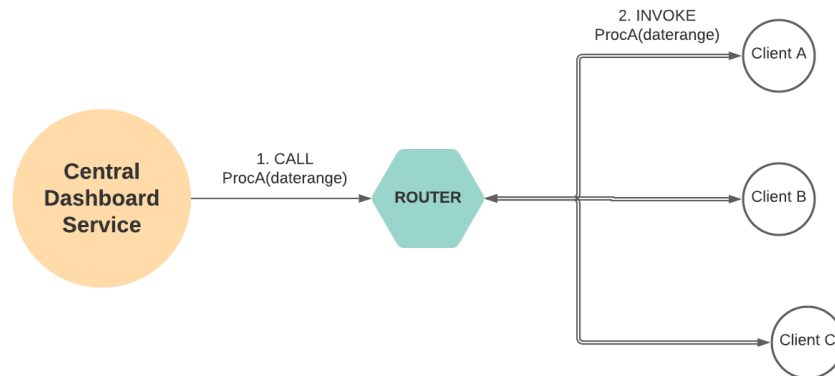
To prevent client overloading, the central dashboard uses pub-sub based complete asynchronous messaging mechanism to send command to the services regarding operation/message fetching. Majority of commands are pre-defined however, the system should be agile enough to accommodate new commands if required.

The client should subscribe to channel 'command'(if not separately specified) and then should respond as quickly as possible to the management dashboard by publishing on the 'response' channel in which only the central dashboard or concerned services are listening.



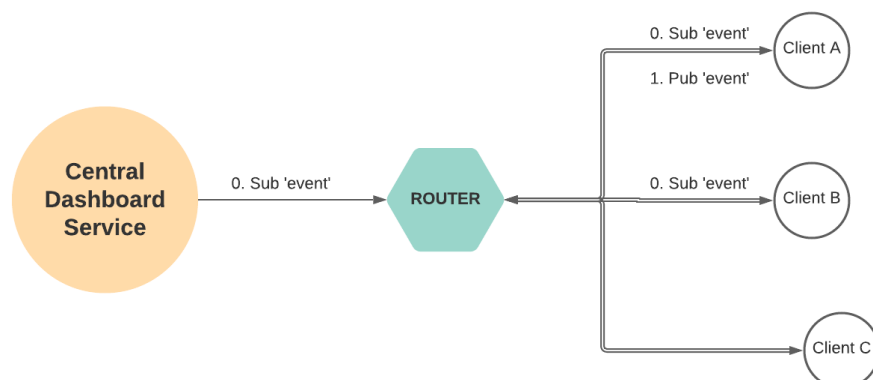
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### c. Registering Procedures / Time Series Based Procedures:



Whenever a client service connects to the central broker, the service needs to advertise all the procedures along with support for time series if any. The time series procedure implementations must be intelligent enough to handle a variety of input semantics (time ranges, discreet entries, Boolean selections), time zone variances, latency considerations, etc. The consultant must work carefully to design non-redundant procedure definitions. The time series procedures, if directly called by the management dashboard, using **rRPC**, should be processed

### d. Subscribing and Publishing of Events

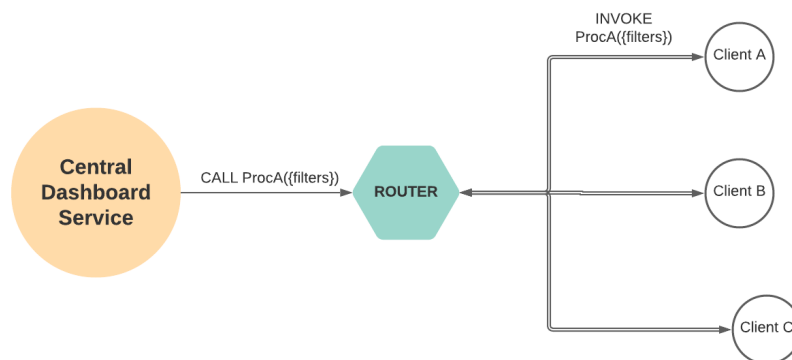


The clients should publish any events that the central management dashboard or any other connected service might use to perform control flow. The event message should have a established format with fields containing **message sender identifier**, **event urgency**, **event value (if any)** and **human readable message string**.



The clients should also subscribe to the event channel to listen for any events from other services, if the client is required to interact with other service. The message parser should respect the event urgency and should act accordingly.

#### e. Registering Pre-Defined Procedures with Filters



The client should also advertise procedures with filter support along with the definition of filters. The central management dashboard will avail dashboard based filters for various data types and the client is required to receive the Procedure Call with Filter parameters and forward the result to the caller.

### 3. Compliance Security Gateway:

All microservices whether big or small, that have some form of interfacing enabled, must contain a Compliance Security Gateway (CSG). The compliance security gateway is the point that acts as the middleware involved in the communication between the microservices.

### 4. Massively Scalable/Highly Available Architecture:

The consultant is also required to design the architecture of the system to be massively scalable. The software should be able to run across multiple server nodes if needed for scalability. The system should be highly available with mechanisms for auto-failover detection and handling. The consultant is also responsible to tune the resources for maximum throughput and optimum use



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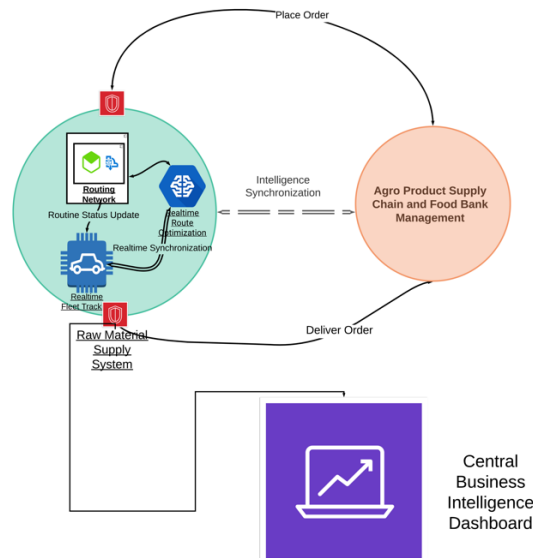


Figure 1 Project System Components

## 4. Feature Requirements:

### 1. Upstream Source Management

The system should have provision for multiple sourcing houses management. The sourcing houses can be other warehouses or Private/Government Storage/Supply facilities. The system should also have extensibility features that allows for upstream data sharing/management. The messaging protocol must be consistent with the standard communication architecture proposed.

### 2. Warehouse Management

The system should have provision for multiple warehouse management. Each warehouse should have independent stock management system that synchronizes data with a central management unit. The warehouse management service should have the following features:

#### Inventory tracking system

Inventory tracking system should enable the use of advanced tracking systems, including support for radio-frequency identification (RFID),



barcode scanners to make sure that goods can be found easily when they need to move along with the location of storage.

### **Receiving and Storage System**

Receiving and storage system should allow inventory putaway when received from external vehicles and sources. There should be provision to schedule receiving operations also.

### **Picking Up and Loading Bill Generation**

The system should have provision for generating the loading bill and allow for locating the item inside the warehouse if it has been indexed properly. The consultant should suggest a highly-scalable search/filtering mechanism.

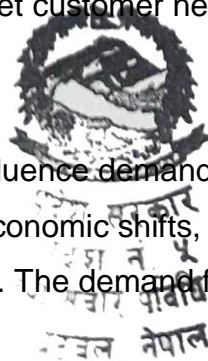
## **3. Barcode, RFID and QR Code Support**

Using scan code module is required to eliminate standard human error, which often occurs due to manual data accumulations. Scanning barcode, RFID and QR code provides fast and reliable solutions. The system should be able to print and encode the codes so that it is compliant with standard codes.

## **4. Demand Forecasting:**

This system should also implement a highly scalable and fast Demand Forecasting System powered by Machine Learning. The fine-granular Demand Forecasting system should aim to avoid item shortages by predicting large demands that might arise by looking at past trends and the request patterns. The goal is to strike a balance between having sufficient inventory levels to meet customer needs without having a surplus.

A wide variety of factors can influence demand, including the farming season, labor force changes, economic shifts, severe weather, natural disasters or global crisis events. The demand forecast engine is



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expected to notify the concerned authorities about potential demand surge for the type of amount in advance. The forecasting should be such that it can provide ample time for stock management.

The Demand Forecasting System should allow for:

- Powerful future demand prediction insights
- Align sales and supply efforts
- Significantly Reduce the risk of stock outs
- Lower the holding costs
- Maximizes asset efficiency

The forecasting system should be continuously learning on the data stream originating from various warehouses, vehicle fleets and the vendor databases. The consultant is required to integrate the system with all key data sources and should provide a consistent architecture for future data stream addition.

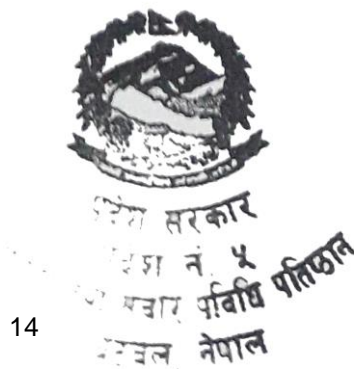
## **5. Support and Maintenance**

### **a. Commissioning Support**

The consultant should provide at least 6 months of technical support to ensure smooth operation of the developed system.

### **b. Bug Fixes, Security Patches and Maintenance**

For a period of 6 months, the consultant is expected to issue bug fixes in a timely manner. Security patches are to be issued as they are made available on used services and libraries. Furthermore, regular maintenance of the application components, configuration validations are to be carried out.



**Key Manpower, Qualification and Experiences required for Personnel:**

S.N.	Specialist	Qualifications and Experiences Required	Person-days Design and other technical works (including field work) for Single Project
1	Team Leader	<ul style="list-style-type: none"> <li>• Masters in Computer Science or Computer Engineering.</li> <li>• Thorough understanding of the Software Development Lifecycle.</li> <li>• At least 5 years of experience in implementation, evaluation of large scale web systems.</li> </ul>	6 months
2	Senior Software Engineer	<ul style="list-style-type: none"> <li>• Bachelors Degree in Computer Engineering or Information Systems.</li> <li>• Has Experience building back-end Development of the website and its systems.</li> <li>• Has at least 2 years of experience in developing enterprise-scale web applications.</li> <li>• Strong command in web security application concepts. 2 years of experience in design and development of enterprise scale applications.</li> </ul>	6 months
3	Software Engineer (Backend Technologies)	<ul style="list-style-type: none"> <li>• Bachelors in Computer Engineering or Information Systems or in similar discipline.</li> <li>• At least 1 year experience in developing web systems.</li> <li>• Experience in implementation of latest security measures for safe</li> </ul>	6 months



		keeping of system.	
4	Software Engineer (Frontend Technology)	<ul style="list-style-type: none"> <li>Bachelors in Computer Engineering or Information Systems or in similar discipline.</li> <li>Experience Designing Layouts, User Interfaces for Enterprise applications.</li> <li>Experience in implementation of latest security measures for safe keeping of system.</li> </ul>	6 months
5	Software Engineer (Database)	<ul style="list-style-type: none"> <li>Bachelors in Computer Engineering or Information Systems or in similar discipline.</li> <li>Experience Designing Secure, Robust, Scalable Relational Database Architectures.</li> </ul>	6 months
6	Cloud Deployment Engineer	<ul style="list-style-type: none"> <li>Bachelors in Computer Engineering or Information Systems or in similar discipline.</li> <li>At least 2 years of Experience in cloud deployment of enterprise-grade web applications.</li> </ul>	3 months
7	Security Engineer	<ul style="list-style-type: none"> <li>Bachelors in Computer Engineering or Information Systems or in similar discipline</li> <li>Experience in implementation of system testing and security measures for safe keeping of website from malicious attacks.</li> </ul>	3 months
8	Customer Support Officer	<ul style="list-style-type: none"> <li>Bachelor's degree in CSIT or Equivalent.</li> <li>At least 6 months of experience in customer support management in</li> </ul>	6 months

		Internet Technologies / Cloud Support.	
9	Technical Documentation Writer	<ul style="list-style-type: none"> <li>Bachelors in Computer Science/Engineering or Equivalent</li> <li>Strong command over English Language with at Least 2 years of experience in technical documentation</li> </ul>	6 months
10	Finance Officer	<ul style="list-style-type: none"> <li>Bachelors in Business Studies or Equivalent</li> <li>At least 2 years of experience in accounting and book-keeping.</li> </ul>	6 months

S.N. 1,2,3,4,5,6,7 will be used for evaluation.

## Firm Qualification

The consulting firm to be selected through the procurement procedure should meet following criteria:

- The developer company/firm must be a legal entity registered in Nepal.
- The consulting company/firm must not be blacklisted by any agencies of Government of Nepal.
- Consulting company/firm must have at least of 2 years of experience in designing high-availability, high-traffic systems with microservices.
- Consulting company/firm must have at least of 2 years of experience in designing Enterprise Web System Applications.
- Consulting company/firm must have carried out at least 1 project in supply chain/inventory management.
- Consulting company/firm must have experience designing and deploying reporting applications with fine-granular access privileges.

## Time Schedule

The consultant shall commence the work from the date of signing of the agreement and should complete within the period mentioned in the agreement. The duration of the assignment shall be of 6 months from work order date.



## Mode of Payment

The payment for the amounts claimed upon submission of the reports mentioned above based on the prevailing laws and rules/regulation of the Government of Nepal. As per agreement, the developer can claim the payment in a single installment after submission and acceptance of the Final Report(s) or in installment as follows:

- First installment, 20% of the total amount
- Second installment, 60% of the total amount upon successful completion of the development of the web system application.
- Final and remaining 20% of the total amount after submission of final completion report.



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## D. Evaluation of Consultant's EOI Application

Consultant's EOI application which meets the eligibility criteria will be ranked on the basis of the Ranking Criteria.

<b>i) Eligibility &amp; Completeness Test</b>	<b>Compliance</b>
Copy of Registration of the company/firm	
VAT/PAN Registration ( <i>for National consulting firm only</i> )	
Tax Clearance/Tax Return Submission/Letter of Time Extension for Tax Return Submission <b>2075/76</b> ( <i>for National consulting firm only</i> )	
In case of a natural person or firm/institution/company which is already declared blacklisted and ineligible by the GoN, any other new or existing firm/institution/company owned partially or fully by such Natural person or Owner or Board of director of blacklisted firm/institution/company; shall not be eligible consultant.	
EOI Form 1: Letter of Application	
EOI Form 2: Applicant's Information Form	
EOI Form 3: Experience (3(A) and 3(B))	
EOI Form 4: Capacity	
EOI Form 5: Qualification of Key Experts	

<b>ii) EOI Evaluation Criteria</b>	<b>Insert Minimum Requirement if Applicable</b>	<b>Score [Out of 100%]</b>
<b>A. Qualification</b>		
<i>Qualification of Key Experts</i>	<i>As per ToR</i>	<b>40%</b>
<i>Experience of Key Experts</i>	<i>As per ToR</i>	
<b>B. Experience</b>		
<i>General Experience of consulting firm</i>	<i>Should have at least 2 years of experience in the field of software development/support and/or IT consulting. Should have experience of working in projects funded by the Nepal Government.</i>	<b>50%</b>
<i>Specific experience of consulting firm within last 5 years.</i>	<i>Should have at least 2 years of experience in Designing High-Available, Robust Web Applications relating to Supply Chain Management or Inventory Management System.</i>	
<i>Similar Geographical experience of consulting firm</i>	<i>In order to show geographical competence, provide the details required as per the</i>	

	<i>attached format</i>	
<b>C. Capacity</b>		
<i>Financial Capacity<sup>1</sup></i>	<i>Average annual turnover of best two years out of last seven years should be at least NRs. 2.5 Million</i>	<b>10%</b>

Note : In Case, a corruption case is being filed to Court against the Natural Person or Board of Director of the firm/institution /company or any partner of JV, such Natural Person or Board of Director of the firm/institution /company or any partner of JV such firm's or JV EOI shall be excluded from the evaluation, if public entity receives instruction from Government of Nepal.



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<sup>1</sup> Average turnover required shall not exceed 150% of cost estimate

## E. EOI Forms & Formats

Form 1. Letter of Application

Form 2. Applicant's information

Form 3. Experience (*General, Specific and Geographical*)

Form 4. Capacity

Form 5. Qualification of Key Experts



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संघ, नेपाल

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## 1. Letter of Application

(Letterhead paper of the Applicant or partner responsible for a joint venture, including full postal address, telephone no., fax and email address)

Date: .....

To,

Full Name of Client: \_\_\_\_\_

Full Address of Client: \_\_\_\_\_

Telephone No.: \_\_\_\_\_

Fax No.: \_\_\_\_\_

Email Address: \_\_\_\_\_

Sir/Madam,

1. Being duly authorized to represent and act on behalf of (hereinafter "the Applicant"), and having reviewed and fully understood all the short-listing information provided, the undersigned hereby apply to be short-listed by **[Insert name of Client]** as Consultant for **[Insert brief description of Work/Services]**.
2. Attached to this letter are photocopies of original documents defining:
  - a) the Applicant's legal status;
  - b) the principal place of business;
3. **[Insert name of Client]** and its authorized representatives are hereby authorized to verify the statements, documents, and information submitted in connection with this application. This Letter of Application will also serve as authorization to any individual or authorized representative of any institution referred to in the supporting information, to provide such information deemed necessary and requested by yourselves to verify statements and information provided in this application, or with regard to the resources, experience, and competence of the Applicant.
4. **[Insert name of Client]** and its authorized representatives are authorized to contact any of the signatories to this letter for any further information.<sup>2</sup>
5. All further communication concerning this Application should be addressed to the following person,

[Person]

[Company]

[Address]

[Phone, Fax, Email]

<sup>2</sup> Applications by joint ventures should provide on a separate sheet, relevant information for each party to the Application.



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6. We declare that, we have no conflict of interest in the proposed procurement proceedings and we have not been punished for an offense relating to the concerned profession or business and our Company/firm has not been declared ineligible.
7. We further confirm that, if any of our experts is engaged to prepare the TOR for any ensuing assignment resulting from our work product under this assignment, our firm, JV member or sub-consultant, and the expert(s) will be disqualified from short-listing and participation in the assignment.
8. The undersigned declares that the statements made and the information provided in the duly completed application are complete, true and correct in every detail.

**Signed** :

**Name** :

**For and on behalf of (name of Applicant or partner of a joint venture):**



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A handwritten signature in black ink, appearing to be 'S. Kharel'.

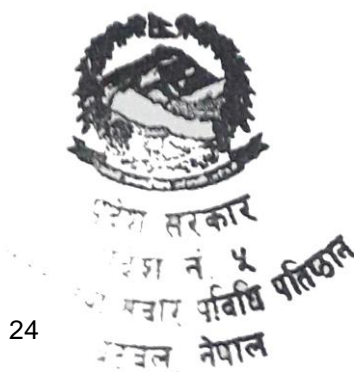


## 2. Applicant's Information Form

(In case of joint venture of two or more firms to be filled separately for each constituent member)

1. Name of Firm/Company:
2. Type of Constitution (*Partnership/ Pvt. Ltd/Public Ltd/ Public Sector/ NGO*)
3. Date of Registration / Commencement of Business (*Please specify*):
4. Country of Registration:
5. Registered Office/Place of Business:
6. Telephone No; Fax No; E-Mail Address
7. Name of Authorized Contact Person / Designation/ Address/Telephone:
8. Name of Authorized Local Agent /Address/Telephone:
9. Consultant's Organization:
10. Total number of staff:
11. Number of regular professional staff:
12. Company Profile

(Provide Company Profile with description of the background and organization of the Consultant and, if applicable, for each joint venture partner for this assignment.)



### 3. Experience

#### 3(A). General Work Experience

(Details of assignments undertaken. Each consultant or member of a JV must fill in this form.)

S. N.	Name of assignment	Location	Value of Contract	Year Completed	Client	Description of work carried out
1.						
2.						
3.						
4.						
5.						
6.						
7.						



सरकार

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विज्ञान विधि प्रतिष्ठान

काठमाडौं, नेपाल

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**3(B). Specific Experience****Details of similar assignments undertaken in the previous seven years**

(In case of joint venture of two or more firms to be filled separately for each constituent member)

Assignment name:	Approx. value of the contract (in current NRs; US\$ or Euro) <sup>3</sup> :
Country: Location within country:	Duration of assignment (months):
Name of Client:	Total No. of person-months of the assignment:
Address:	Approx. value of the services provided by your firm under the contract (in current NRs; US\$ or Euro):
Start date (month/year): Completion date (month/year):	No. of professional person-months provided by the joint venture partners or the Sub-Consultants:
Name of joint venture partner or sub-Consultants, if any:	Narrative description of Project:
Description of actual services provided in the assignment:	
<b>Note: Provide highlight on similar services provided by the consultant as required by the EOI assignment.</b>	

Firm's Name: \_\_\_\_\_



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<sup>3</sup> Consultant should state value in the currency as mentioned in the contract

### 3(C). Geographic Experience

#### Experience of working in similar geographic region or country

(In case of joint venture of two or more firms to be filled separately for each constituent member)

No	Name of the Project	Location (Country/ Region)	Execution Year and Duration
1.			
2.			
3.			
4.			
5.			
6.			
7.			



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विज्ञान, सू  
सञ्चार प्रविधि परिषद  
काठमाडौं, नेपाल

*(Handwritten signature)*

## 4. Capacity

### 4(A). Financial Capacity

(In case of joint venture of two or more firms to be filled separately for each constituent member)

Annual Turnover	
Year	Amount Currency

- Average Annual Turnover of Best of 3 Fiscal Year Of Last 7 Fiscal Years

(Note: Supporting documents for Average Turnover should be submitted for the above.)



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### 5. Key Experts *(Include details of Key Experts only)*

*(In case of joint venture of two or more firms to be filled separately for each constituent member)*

SN	Name	Position	Highest Qualification	Work Experience (in year)	Specific Work Experience (in year)	Nationality
1						
2						
3						
4						
5						

(Please insert more rows as necessary)



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